



# DEFENSE LOGISTICS AGENCY

LAND AND MARITIME  
POST OFFICE BOX 3990  
COLUMBUS, OH 43218-3990

August 2, 2013

Mr. Paul Syndergaard  
ON Semiconductor Inc.  
2300 Buckskin Road  
Pocatello, ID 83201

Dear Mr. Syndergaard:

Re: Notification of Qualification, MIL-PRF-19500P, FSC 5961, VQ (VQE-13-026811); CAGE 31471;  
Control # 040210

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device JANTXV2N4029 allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961 and performance specification sheet /512J. Extension is also granted to the other devices below as allowed by paragraph E 4.2.2 (Qualification by extension). Therefore, your products will be listed as shown below in the Qualified Manufacturers List (QML) 19500. The effective date of this qualification is August 2, 2013. The beginning lot date code for this qualification is T1306A.

The qualification lot Thermal Impedance conditions and upper limits are as follows (subject to change after 5 lots with approval from qualifying activity):

Package	V <sub>CB</sub>	I <sub>H</sub>	I <sub>M</sub>	t <sub>H</sub>	t <sub>MD</sub>	Z <sub>ΘJX</sub>
TO-39	30 V	85 mA	2 mA	10ms	50 μs	33.6°C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
** 2N4029 <u>6/</u>	NS	CONP	19500-3960-13	/512J	Same as above

Plant (2): ON Semiconductor (ISMF)  
Seremban, Malaysia  
(Wafer Fabrication)  
Millenium Microtech (MMT)  
Chachoengsao, Thailand  
(Assembly)

6/ Testing is compliant to the latest revision of MIL-STD-750  
Test Method 1020.3

\*\* Includes JAN, JANTX, and JANTXV quality levels

This qualification approval is based upon test report numbers 19500-3960-13 for your die, 19500-3154-11 for package (Groups C & E data -except ESD), 19500-3960-13 for this qualification, your letter dated July 10, 2013, and subsequent emails and test data. This qualification is subject to the conditions as stated in SD-6 and DOD 4120.24M.

Because we are held responsible for the accuracy and currency of this Qualified Manufacturers List, please let us know if your company discontinues production of these products. Also, manufacturers are required to inform this office immediately after learning of a potential issuance of a GIDEP alert, problem advisory, or other problem notification on their QML product.

If you have any questions concerning this letter, please contact Mr. Alan Barone (614) 692-0510.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
Chief  
Sourcing and Qualifications Division

